

Listing of Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Claim 1 (Currently amended): A membrane material for fabric structures having enhanced reversible thermal properties comprising a basic woven fabric which is coated at least on one side with a polymeric compound comprising an elastomeric material containing a finely divided phase change materials material which is mixed into a liquid component of the elastomeric material while the phase change material is in a liquid stage whereby the phase change material becomes cross-linked with the elastomeric material during curing.

Claim 2 (Cancelled)

Claim 3 (Currently amended): A The membrane material according to claim 1, wherein the woven fabric is coated on both sides with a the polymeric compound which contains the finely divided phase change material.

Claim 4 (Currently amended): A The membrane material according to claim 1, wherein the woven fabric is coated on one side with a the polymeric compound which contains the finely divided phase change material and no coating is applied to the other side of the fabric.

Claim 5 (Currently amended): A The membrane material according to claim 1, wherein the woven fabric is coated on one side with a the polymeric compound which contains the finely divided phase change material and is coated on the other side with a second polymeric compound which does not contain any phase change material.

Claim 6 (Currently amended): A The membrane material according to claim 1, wherein the phase change material is a crystalline alkyl hydrocarbon.

Claim 7 (Currently amended): A The membrane material according to claim 1, wherein the phase change material is a salt hydrate.

Claim 8 (Currently amended): A The membrane material according to claim 1, wherein the polymeric coating compound comprises a phase change material in

a quantity of up to 60 wt.%, based on the total weight of the polymeric compound.

Claim 9 (Currently amended): A The membrane material according to claim 1, wherein the phase change materials have melting points material has a melting point in the range between 30 °C and 50 °C.

Claim 10 (Currently amended): A The membrane material according to claim 1, possessing a latent heat storage capacity of up to 150 kJ/m².

Claim 11 (Currently amended): A The membrane material according to claim 1, wherein the polymeric coating compound contains flame-retarding additives in addition to the phase change material.

Claim 12 (Currently amended): A The membrane material according to claim 1, these wherein translucency changes in connection with the a phase transition of the phase change material.